D W + L (1927 Depa

Misc SERIES.

G.O. No. 1415 W

DATED 30-6-27

[Despatch Abstract.]

Received ..... *Registered* .....

From (Name) W. G. Molesworth, Esq.,

(Designation) Chief Engineer, P. W. D. (Buildings & Roads),

Post Box 410, (Station) Madras

Telegraphic Address Cegbar

To The Secretary to Government,

Public Works and Labour Department,

Madras.

No. 3805 Wks, *dated* 8th April 1927.

26 CP

Alipuram Jail - Water supply improvements - Faulty design - Ref: Government Memo. No. 14017 26-1 dated 17th November 1926.

The works now proposed by the Sanitary Engineer in his letter No. 1200 M., dated 2nd August 1926 are defects but omissions in the original proposal and now being added for the proper working of the filters. This work should have been included in the original estimate sanctioned for the scheme.

2. A copy of the note by the Sanitary Engineer stating the history of the case is forwarded herewith. With reference to paragraphs 3 to 5 of his note though is stated therein that his inspection of the work on 12th March 1924 was casual and unofficial without any notes of inspection made or recorded, the Superintenden Alipuram Jail, has forwarded to Government his suggesti officially. Presumably for the reason that Sanitary Eng neer was already consulted by the Superintendent, Alipu Jail, he was not consulted again while the plans and est mates were under scrutiny in this office.

Alipuram Jail - Water supply improvements -
Faulty design.

The proposal to use Alipuram tank water for the Mopla Jail was first mooted in 1922 and in L.S.G. Memo.No. 15839-1 L & M., dated 30-8-1922 a letter from the Director of Public Health on the proposal was sent to me for remarks. It was then understood to be the intention of the Inspector General of Prisons to obtain money for laying a pipe line from the tank to the Jail and to carry the work out without reference to the P.W.D. or the Sanitary Engineer as the Moplah Jail Superintendent had impressed the Inspector-Gen with the idea that he was fully competent to carry out the scheme without delay. I inspected the tank on October 8th 1922, with the Director of Public Health and replied to th L.S.G. Memo. in my No.723 G. dated 9-11-22. In that reply I called attention to the fact that the Jail authorities were not competent to draw up the proposals and suggested that the scheme should be sent to me before it is given effect to or "a considerable sum of money may be wasted".

In accordance with the Memo. No. 197 Wks-A-24 C.P., dated 24-1-24 quoted above, the Executive Engineer drew up the detailed plans and estimates.

The responsibility of the work was therefore taken entirely out of my hands despite my suggestion on two occasions that I was the correct officer to draw up the scheme and the plans and estimates were not even referred to me for scrutiny or remarks.

On the 12th March 1924 I made a casual inspection of the work then under execution, whilst I was at Bellary in connection with the Municipal Water Supply Scheme. My inspection was unofficial and no inspection notes were made or recorded. The work was being carried out presumably under competent sanction and authority and as my suggestion that I should design the scheme had not been accepted it would have been presumptuous upon my part to have taken any official action in the matter. I made one or two common-sense suggestions the necessity for which appeared obvious on inspecting the work but made no attempt to examine the technical features of the scheme or any detail examination of the estimate. It would in fact have been impossible for me to have done so without carrying out the proper technical investigation I had already recommended.

The case therefore does not call for blaming anybody for a bad design or for unfructuous expenditure. It calls for the issue of orders that the Jail Department and similar authorities should not be allowed to rush blindly into schemes of this description without proper technical advice and that such advice should be given by the officers of Government most competent to supply it.

I understand that the engines and pumps and the pipes for this scheme were purchased direct by the Jail Department. The size of engines and pumps appears to have been selected without any correct hydraulic calculations as to the size required. I understand that the pipes were purchased at about Rs.248 a ton at a time when the P.W.D. were purchasing pipes for the Bellary Municipal pumping main at Rs.180 a ton. Assuming that the P.W.D. could have obtained the pipes for the Jail at the same rate as for the Municipal Water Supply Scheme the saving would have been about Rs.19,000.

15

From the CE (Roads) No. 3805-Wks/9
26 COP
5.4.27

Alipuram Jail - water supply
Alleged faulty design

Sec the finance Asst
Secy's, Secy's & Members remarks
on ff 13, 15 & 16 of Fin. No 5794 W/9
15.3.27 & the O.M. on p. 6 ibid in
which explanation was called for
on the alleged faulty design in the
water supply scheme at the Alipura
Jail. The current file contains the
explanation called for

Prod officers were asked to render
every assistance possible
3. Attention is drawn
to Sanitary Regs relating to case in
ff 2-4 of the new Regs which the
has

5. The only remaining point is that referred to in para 8 of the Sanj Eyre report on p. 4 of it is for consideration if any explanation need be called for in reg: to the high price paid for pipes & so the file may be sent to Law (Secnl). If not, no special action seems required on the present report which may be recorded after perusal by Law (Secnl) Secretary [The case may also be cited by the Wr]

25.11.71

The case seems to have been taken over by the Chief CE (Mr Bhargat) as an urgent matter, but why, after his preliminary inspection, he did not use the services of the Sanj Engineer is not apparent.

28/11

Law
Fin

is invited to G.O. No. 678 (Law) General)
dy 28-2 24 ati which on account of the
Special urgency of the case sanction was
accorded to the local transport by the
D.G. of the necessary tarp lines and other
articles of Equipment
with the work.

In G.O.746 W. d. 2-7-24, an estimate for 1.21 lakhs was sanctioned for the Alipuram Jail water-supply. In G.O.574 W. d. 15-3-27, another estimate of Rs.17,000 for improvements to this water supply was approved.

The Sanitary Engineer has now reported that the estimate for Rs.17,000 represents additional works required to make the installation effective and that the cost does not represent unfructuous expenditur required to rectify bad work. This view is accepte by the Chief Engineer, and P.W. & L. P.W. & L. also remark that no notice need be taken of the omission of these items in the original estimate, i view of the urgency with which the scheme was initiated and carried out.

Submitted that this deptt. may agree with P.W.

High price paid for pipes.

The Sanitary Engineer has pointed out that the pipes for the Alipuram water supply were purchas at about Rs.248 a ton, at a time when the P.W.D. were purchasing pipes for the Bellary Municipal pumping main at Rs.180 a ton, and that if paymer had been made according to the rate adopted by P.W.D., there would have been a savi g of about Rs.19,000.

The work was started & executed in a hurry due to the an epidemic of what was supposed to be cholera & the imminence of a famine of water. This I should say is a valid excuse for the omissions in the original estimate which have since been supplied. But I can't see that it excuses the failure to consult the Sanitary Engineer at an earlier stage in the proceedings. Apparently Mr Khan Sahib was the officer who could have given the explanation. It is worth considering the desirability of issuing an order which may prevent such lapses in future.

18.5.27

Law
P.W. Dept.

18/5/27.

S

I agree with the Finance Secretary

19-5-27

The Law (Genl.) Deptt may also be requested to take action on the remarks of the Finance Secy at the foot of page 5 ante.

PLH 7.6.77

Law
Fin

Sch. II-5 (a)—40,006—9-11-26. (6)

7/306.

12

P.W.K. DEPARTMEN

	Date.	Initials.
When received for Fair-copying.		
When copied ..		
When examined ..		
When signed ..		
When despatched ..		

Water Supply Schemes – Sani
Engr. to be always consulted on
Water Supply & drainage Schem

READ AGAIN G.O. No....., dated.....192 .

" " " " ..... " .....192 .

READ ALSO:—

C. No. 6522C From the C.E (ROB), No. 3805 Wks, dated W.C.P 8 6 1927 .

" " ..... " " ..... " ..... " .....192 .

" " ..... " " ..... " ..... " .....192 .

ORDER.

Mrs

No. 415 W dated 30-6-1927.

A case has come to
notice of Govt in which a wa
Supply Scheme was designe
and executed without the
Sanitary Engr. being consult
at stage.
~~the~~ any ~~of the stages~~. This
need
resulted in the ~~necessity~~
~~sanctioning~~
additional works to comple
the Scheme which had
Sanly Engr been consulted
would have been included
the original estimate.

~~Govt to the~~
~~least~~ In order to avoid su

in future the Sanitary Engineer should always be consulted and technical advice obtained whenever water supply and drainage schemes are designed and executed.